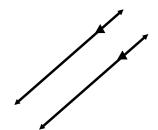
Chapter 3: Parallel and Perpendicular Lines

3.1 Relationships Between Lines

Two lines are <u>parallel lines</u> if they lie in the same plane and do not intersect.

|| is the symbol for parallel in written work

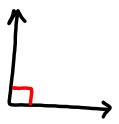
Arrows on lines show parallel lines in a picture:



Two lines are <u>perpendicular lines</u> if they intersect to form a right angle.

 \perp is the symbol for perpendicular in written work.

In pictures, the right angle marking MUST be drawn in to show 90° angles.



Two lines are **skew lines** if they do not lie in the same plane and never intersect.

Checkpoint at the top of page 109.

Two planes are <u>parallel planes</u> if they do not intersect.

A <u>line perpendicular to a plane</u> is a line that intersects a plane in a point and that is perpendicular to every line in the plane that intersects it.

Checkpoint on the bottom of page 109.

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Name
3.1
Pg.110-113 #1-24
30-33
42
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Notes 3.2
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